

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently amended) An isolated nucleic acid molecule comprising:

(a) the nucleotide sequence as set forth in any of SEQ ID NO: 1, SEQ ID NO: 3, or SEQ ID NO: 5;

(b) a nucleotide sequence encoding the polypeptide as set forth in any of SEQ ID NO: 2, SEQ ID NO: 4, or SEQ ID NO: 6;

(c) a nucleotide sequence that hybridizes to the complement of the nucleotide sequence of either (a) or (b) under conditions for hybridization and washing of 0.015M sodium chloride, 0.0015M sodium citrate at 65-68°C or 0.015M sodium chloride, 0.0015M sodium citrate, and 50% formamide at 42°C~~in a hybridization buffer comprising 0.015M sodium chloride and 0.0015M sodium citrate~~ wherein the nucleotide sequence is at least 75% identical to the nucleotide sequence of either (a) or (b); or

(d) the nucleotide sequence that is complementary to the nucleotide sequence of any of (a) - (c).

2. (Currently amended) An isolated nucleic acid molecule comprising:

(a) a region of the nucleotide sequence of any of SEQ ID NO: 1, SEQ ID NO: 3, or SEQ ID NO: 5 encoding a polypeptide fragment of at least ~~about 25~~ 50 amino acid residues;

(b) a region of the nucleotide sequence of any of SEQ ID NO: 1, SEQ ID NO: 3, or SEQ ID NO: 5 comprising a fragment of at least ~~about 16~~ 150 nucleotides;

(c) a nucleotide sequence that hybridizes to the complement of the nucleotide sequence of either (a) or (b) under conditions for hybridization and washing of 0.015M sodium chloride, 0.0015M sodium citrate at 65-68°C or 0.015M sodium chloride, 0.0015M sodium citrate, and 50% formamide at 42°C~~in a hybridization buffer comprising 0.015M sodium chloride and 0.0015M sodium citrate~~ wherein the nucleotide sequence is at least 75% identical to the nucleotide sequence of either (a) or (b); or

(d) the nucleotide sequence that is complementary to the nucleotide sequence of any of (a) - (c).

3. (Currently amended) An isolated nucleic acid molecule comprising:

(a) a nucleotide sequence encoding the polypeptide as set forth in any of SEQ ID NO: 2, SEQ ID NO: 4, or SEQ ID NO: 6 having a C- and/or N- terminal truncation, wherein the polypeptide having a C- and/or N- terminal truncation comprises at least ~~about 25-50~~ amino acid residues;

(b) a nucleotide sequence of (a) comprising a fragment of at least ~~about 16-150~~ nucleotides;

(c) a nucleotide sequence that hybridizes to the complement of the nucleotide sequence of either (a) or (b) under conditions for hybridization and washing of 0.015M sodium chloride, 0.0015M sodium citrate at 65-68°C or 0.015M sodium chloride, 0.0015M sodium citrate, and 50% formamide at 42°C wherein the nucleotide sequence is at least 75% identical to the nucleotide sequence of either (a) or (b) ~~in a hybridization buffer comprising 0.015M sodium chloride and 0.0015M sodium citrate; or~~

(d) the nucleotide sequence that is complementary to the nucleotide sequence of any of (a) - (c).

4. (Previously presented) A vector comprising the nucleic acid molecule of any of Claims 1, 2, or 3.

5. (Original) A host cell comprising the vector of Claim 4.

6. (Original) The host cell of Claim 5 that is a eukaryotic cell.

7. (Original) The host cell of Claim 5 that is a prokaryotic cell.

8. (Currently amended) A process of producing a polypeptide encoded by the nucleic acid molecule of any of Claims 1, 2, or 3, comprising culturing ~~the a host cell of Claim 5~~ comprising a vector comprising the nucleic acid molecule of any of Claims 1, 2, or 3 under suitable conditions to express the polypeptide, and optionally isolating the polypeptide from the culture.

9. (Cancelled)

10. (Previously presented) The process of Claim 8, wherein the vector further comprises promoter DNA that is different than the native promoter DNA for the gene comprising any of SEQ ID NO: 1, SEQ ID NO: 3, or SEQ ID NO: 5, and wherein the promoter DNA is operatively linked to the nucleic acid molecule.

11-47. (Cancelled)

48. (Previously presented): A viral vector comprising the nucleic acid molecule of any of Claims 1, 2, or 3.

49-56. (Cancelled)

57. (Previously presented) The nucleic acid molecule of any of Claims 1, 2, or 3 attached to a solid support.

58. (Previously presented) An array of nucleic acid molecules comprising at least one nucleic acid molecule of any of Claims 1, 2, or 3.

59. (Cancelled)